



U.S. Department of Commerce Patent and Trademark Office							Atty. Docket:	Appln. No.:	
Modified Form PTO-1449 Information Disclosure Statement							306.07	09/975,552	
Sheet <u>1</u> of <u>7</u>		Date: June 14, 2002			Applicant:		KIRKPATRICK, Douglas A. et al.		
					Filing Date:		Group:		
					October 12, 2001		2821		
U.S. Patent Documents									
* Ex. Initials		Document #	Date MM/DD/YY	Name	Class	Subclass	Filing Date		
JV	A1	843,534	02/05/07	Hewitt	315	248			
	B1	1,854,912	04/19/32	Spaeth	315	108			
	C1	Re 21,150	07/11/39	Lepel	176	122			
	D1	2,333,052	10/26/43	Smith	176	122			
	E1	3,860,854	01/14/75	Hollister	315	248	09/17/73		
	F1	4,021,727	05/03/77	Fellows	324	20R	12/10/75		
	G1	4,206,387	06/03/80	Kramer et al.	315	248	09/11/78		
	H1	4,427,920	01/24/84	Proud et al.	315	248	10/01/81		
	I1	4,705,987	11/10/87	Johnson	313	634	10/03/85		
	J1	4,812,702	03/14/89	Anderson	313	153	12/28/87		
	K1	4,864,194	09/05/89	Kobayashi et al.	315	248	05/04/88		
	L1	4,894,590	01/16/90	Witting	315	248	08/01/88		
	M1	4,894,591	01/16/90	Witting	315	248	09/06/88		
JV	N1	4,908,492	03/13/90	Okamoto et al.	219	121.52	05/05/89		
Foreign Patent Documents									
		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes No		
JV	O1	8-148127	06/07/96	Japan	H01J	65/04	<input checked="" type="checkbox"/>		
JV	P1	93/21655	10/28/93	WIPO	H01J	61/38			
JV	Q1	97/45858	12/04/97	WIPO	H01J	61/12			
	R1								
	S1								
Other Citations (including Author, Title, Date, Pertinent Pages, etc.)									
JV	T1	Godyak, V.A. et al., "Electrical and light characteristics of RF-inductive fluorescent lamps", <i>J. of the Illuminating Engineering Society</i> , p 40-44(Winter 1994), presented at the 1993 IESNA Annual Conference.							
JV	U1	Piejak, R.B. et al., "A simple analysis of an inductive RF discharge", <i>Plasma Sources Sci. Technol.</i> 1:179-186 (1992).							
JV	V1	Thomson, J.J., "On the discharge of electricity through exhausted tubes without electrodes", <i>Phil. Mag. S.5.</i> , Vol. 32, No. 197, p. 321-464 (October 1891), The London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science.							
Examiner		<i>Minya</i>			Date Considered		12/15/03		
* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and <u>not</u> considered. Include a copy of this form with the next communication to Applicant.									



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U.S. Patent Documents							
* Ex. Initials		Document #	Date MM/DD/YY	Name	Class	Subclass	Filing Date
<i>JV</i>	A2	4,926,791	05/22/90	Hirose et al.	118	723	04/26/88
	B2	5,039,903	08/13/91	Farrall	313	160	03/14/90
	C2	5,070,277	12/03/91	Lapatovich	315	248	05/15/90
	D2	5,072,157	12/10/91	Greb et al.	315	248	09/01/89
	E2	5,259,436	11/09/93	Yun et al.	164	97	04/08/91
	F2	5,498,928	03/12/96	Lapatovich et al.	315	39	05/24/94
	G2	5,498,937	03/12/96	Körber et al.	315	248	02/09/94
	H2	5,570,502	11/05/96	Sawtell et al.	29	527.6	04/28/94
	I2	5,616,421	04/01/97	Sawtell et al.	428	614	05/18/95
	J2	4,010,400	03/01/77	Hollister	315	248	08/13/75
	K2	5,214,357	05/25/93	Dakin et al.	315	248	11/14/91
	L2	4,016,507	04/05/77	Havens	331	96	05/11/76
	M2	4,070,603	01/24/78	Regan et al.	315	248	07/14/76
<i>JV</i>	N2	4,127,797	11/28/78	Perper	315	209R	09/19/77
Foreign Patent Documents							
		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes No
	O2						
	P2						
	Q2						
	R2						
	S2						
Other Citations (including Author, Title, Date, Pertinent Pages, etc.)							
<i>JV</i>	T2	Wharmby, D., "Review of electrodeless discharges for lighting", Thorn Lighting Limited Presentation (September 5, 1989).					
<i>JV</i>	U2	Wharmby, D., "Electrodeless discharges for lighting", GE Lighting Europe Presentation (1994).					
<i>JV</i>	V2	Wharmby, D.O., Ph.D., "Electrodeless lamps for lighting: A review", <i>IEEE Proceedings-A</i> , Vol. 140, No. 6 (November 1993).					
Examiner <i>Murphy</i>				Date Considered 12/15/03			
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2821

U.S. Patent Documents

* Ex. Initials		Document #	Date MM/DD/YY	Name	Class	Subclass	Filing Date
JV	A3	4,245,178	01/13/81	Justice	315	248	02/21/79
J	B3	4,380,744	04/19/83	Kantorowicz	331	107R	06/12/80
	C3	4,484,156	11/20/84	Khanna et al.	331	60	03/18/82
	D3	4,547,750	10/15/85	Torizuka et al.	331	99	01/18/83
	E3	4,613,796	09/23/86	Bay	315	219	08/13/84
	F3	Re. 32,527	10/20/87	Shinkawa et al.	331	99	03/06/86
	G3	4,736,454	04/05/88	Hirsch	455	129	09/15/83
	H3	4,775,845	10/04/88	McCoy	331	96	04/24/87
	I3	4,906,946	03/06/90	Mekata et al.	331	99	09/23/88
	J3	4,949,053	08/14/90	Havens	331	96	09/01/89
	K3	4,982,168	01/01/91	Sigmon et al.	331	107SL	11/01/89
	L3	5,107,229	04/21/92	Cheesman	331	185	11/26/90
	M3	5,118,997	06/02/92	El-Hamamsy	315	248	08/16/91
JV	N3	5,159,346	10/27/92	Bosch et al.	342	175	06/10/91

Foreign Patent Documents

		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes No
	O 3						
	P 3						
	Q 3						
	R 3						
	S 3						

Other Citations
(including Author, Title, Date, Pertinent Pages, etc.)

JV	T 3	Hagen, Jon B., "Radio-Frequency Electronics: Circuits and Applications", pp. 115-123, Cambridge University Press (1996)		
JV	U 3	Kipling, Kent et al., "Low Wattage, Solid State Electrodeless Lamp Having High Brightness", <i>Journal of Technical Disclosure</i> , (October 1, 1998)	X	
JV	V 3	"Low Wattage Solid State Electrodeless Lamp Having High Brightness", <i>Research Disclosure</i> , pp. 1341-1344 (October 1998)		

Examiner

Date Considered

12/15/03

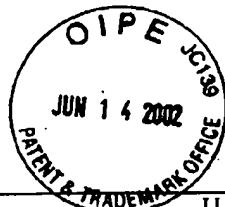
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* Ex. Initials		Document #	Date MM/DD/YY	Name	Class	Subclass	Filing Date
TV	A4	5,289,139	02/22/94	Fiedziuszko et al.	331	56	11/13/92
	B4	5,339,047	08/16/94	Mizan et al.	330	286	02/18/93
	C4	5,387,850	02/07/95	Bray et al.	315	248	06/05/92
	D4	5,397,966	03/14/95	Vrionis et al.	315	248	05/20/92
	E4	5,448,137	09/05/95	Bobel	315	244	10/11/94
	F4	5,483,206	01/09/96	Lohninger	331	107SL	11/24/93
	G4	5,541,482	07/30/96	Siao	315	248	05/19/93
TV	H4	5,587,629	12/24/96	Gornstein	315	200R	08/28/95
	I4						
	J4						
	K4						
	L4						
	M4						
	N4						
Foreign Patent Documents							
		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes No
	O 4						
	P 4						
	Q 4						
	R 4						
	S 4						
Other Citations (including Author, Title, Date, Pertinent Pages, etc.)							
TV	T 4	Martin, Jose L.J. and González, Francisco J.O., "Accurate Linear Oscillator Analysis and Design", <i>Microwave Journal</i> , pp. 22, 24, 26, 28, 30-32, 37 (entire article) (June 1996)					
TV	U 4	Raab, Frederick, "Class-F Power Amplifiers With Maximally Flat Waveforms", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 45(11):2007-2012 (November 1997)					
	V 4						
Examiner <i>TV</i>				Date Considered <i>12/15/03</i>			
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JK	A5	3,943,404	03/09/76	McNeil et al.	315	39	04/21/75
	B5	4,783,615	11/08/88	Dakin	315	248	06/26/85
	C5	5,367,226	11/22/94	Ukegawa et al.	315	248	02/01/94
	D5	5,404,076	04/04/95	Dolan et al.	313	572	01/03/93
	E5	5,637,961	06/10/97	Ishii et al.	315	111.51	08/21/95
	F5	5,661,365	08/26/97	Turner	313	637	10/17/94
	G5	5,682,080	10/28/97	Dolan et al.	313	570	10/30/96
	H5	4,922,210	05/01/90	Flachenecker et al.	331	167	07/18/89
	I5	4,007,392	02/08/77	Valfells et al.	313	154	04/16/74
	J5	5,621,266	04/15/97	Popov et al.	313	46	10/03/95
	K5	5,841,243	11/24/98	Hooper	315	248	5/23/97
	L5	5,841,244	11/24/98	Hamilton et al.	315	248	6/18/97
	M5	5,852,339	12/22/98	Hamilton et al.	313	11	6/18/97
JK	N5	5,886,478	5/23/99	Smith et al.	315	248	11/13/97
Foreign Patent Documents							
		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes No
JK	O5	0457242	11/21/91	EP	H05B	41/24	
	P5	38 42 756	06/21/90	DE	H01J	27/16	X
	Q5	0357453	03/07/90	EP	H01J	65/04	
	R5	0309270	03/29/89	EP	H03B	5/18	
JK	S5	2170668	08/06/86	GB	H03B	5/36	
Other Citations (including Author, Title, Date, Pertinent Pages, etc.)							
JK	T5	International Search Report in PCT Application No. PCT/US99/00047					
	U5						
	V5						
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<input checked="" type="checkbox"/>	A6	5,886,479	5/23/99	Kennedy et al.	315	248	11/13/97
<input checked="" type="checkbox"/>	B6	5,962,986	10/5/99	Morse	315	248	5/19/97
<input checked="" type="checkbox"/>	C6	5,990,632	11/23/99	Smith et al.	315	248	11/13/97
	D6						
	E6						
	F6						
	G6						
	H6						
	I6						
	J6						
	K6						
	L6						
	M6						
	N6						
Foreign Patent Documents							
		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes No
<input checked="" type="checkbox"/>	O6	0458546	11/27/91	EP	H05B	41/38	
	P6						
	Q6						
	R6						
	S6						
Other Citations (including Author, Title, Date, Pertinent Pages, etc.)							
	T6						
	U6						
	V6						
Examiner	<i>Kirkpatrick</i>			Date Considered <u>12/15/03</u>			
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* Ex. Initials		Document #	Date MM/DD/YY	Name	Class	Subclass	Filing Date
✓	A7	5,084,801	01/28/92	El-Hamamsy <i>et al.</i>	361	277	02/19/91
	B7	5,500,574	03/19/96	Popov <i>et al.</i>	315	248	09/28/94
	C7	5,834,895	11/10/98	Dolan <i>et al.</i>	313	570	12/05/94
	D7	5,834,904	11/10/98	Waymouth	315	248	09/26/95
	E7	6,017,221	01/25/00	Flamm	437	225	05/30/97
	F7	5,688,357	11/18/97	Hanawa	156	345	02/15/95
	G7	5,982,099	11/09/99	Barnes <i>et al.</i>	315	111.21	03/29/96
	H7	5,929,717	07/27/99	Richardson <i>et al.</i>	333	17.3	01/09/98
	I7	5,519,285	05/21/96	Ukegawa <i>et al.</i>	313	594	12/13/93
	J7	5,306,987	04/26/94	Dakin <i>et al.</i>	315	248	03/11/93
	K7	6,080,149	06/27/00	Huang <i>et al.</i>	606	32	01/09/98
	L7	5,424,694	06/13/95	Maloratsky <i>et al.</i>	333	112	06/30/94
✓	M7	5,446,350	08/29/95	El-Hamamsy <i>et al.</i>	315	248	04/18/94
✓	N7	5,359,264	10/25/94	Butler <i>et al.</i>	315	248	12/18/92
Foreign Patent Documents							
		Document #	Date MM/DD/YY	Country	Class	Subclass	Translation Yes No
	O7						
	P7						
	Q7						
	R7						
	S7						
	T7						
	U7						
	V7						
	W7						
Other Citations (including Author, Title, Date, Pertinent Pages, etc.)							
✓	X7	Maloratsky, "Couplers Shrink HF/VHF/UHF Designs", Microwaves & RF, pp 93-96 (June 2000)					
	Y7						
Examiner <i>John Doe</i>				Date Considered 12/15/03			
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